

ABSTRACT

The invention set forth includes a set of tools which compact bone tissue as they develop a bore in the bone tissue and a driving mechanism for providing movement to the tools. The tools have engaging surfaces which displace bone tissue radially outward with respect to a central axis of the tool to create high density bone tissue at the wall defining the bore. The driving mechanism may provide only vibrational movement to assist in inserting the tool. Alternatively, the driving mechanism may provide translational movement in the longitudinal direction with respect to the tool to insert the tool into the bone.